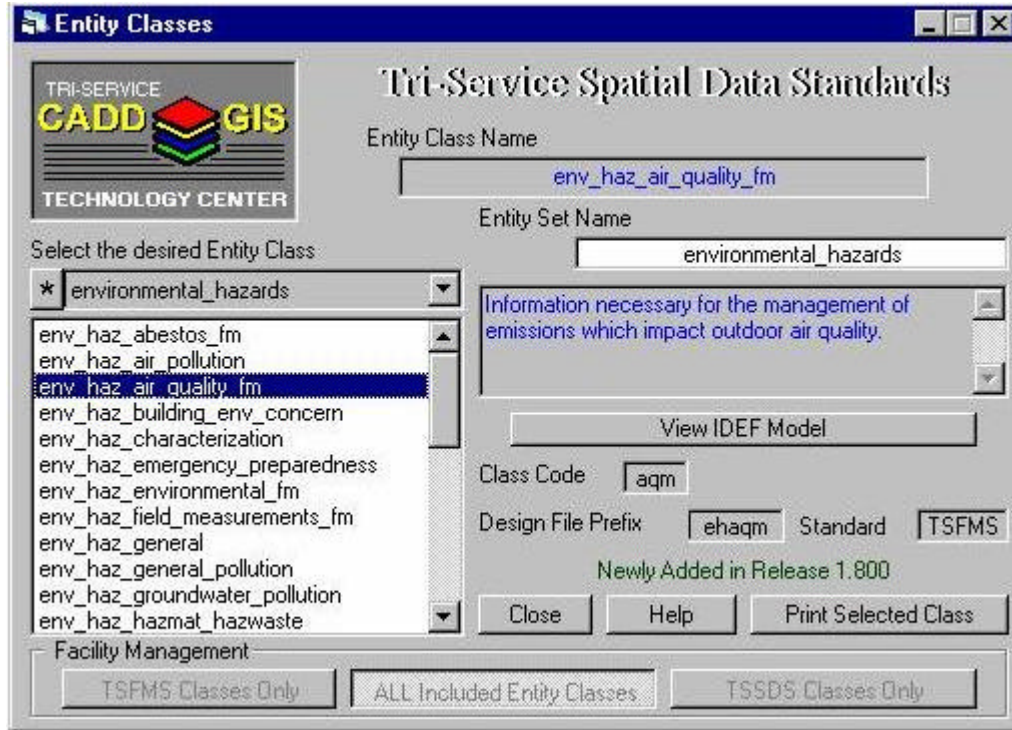


## 1999 Year-In-Review Article - Project No. 96.015



The CADD/GIS Technology Center completed the first release of the Facility Management Standards (FMS) (formerly called Tri-Service Facility Management Standards (TSFMS)) in February 1999. The first release of the FMS was packaged with Release 1.80 of the Spatial Data Standards (SDS) (formerly called Tri-Service Spatial Data Standards (TSSDS)). The FMS are being developed to:

- Provide "business" facility management, or "event" type information (e.g., construction, operation, maintenance, repair, and inspection type records) concerning the "real-world" features/objects depicted in the SDS and A/E/C CADD Standards.
- Provide the capability to link to and share data with "corporate" databases, computerized information management systems, and commercially available facility management (FM) software.

The first release of the FMS focused on environmental compliance and restoration. FM data standards for space and utility management are currently under development. The CADD/GIS Technology Center also met with representatives from several FM software vendors during the year (e.g., ESRI; Bentley; Intergraph; Facility Information Systems, Inc.; and Archibus, Inc.)

In March 1999, a task group (FMS Task Group) consisting of representatives of the Facility Management Field User Group and other FM experts within the DoD developed the following definition and scope for the FMS:

*"The scope of Facility Management Standard is the data describing the control and reporting of real property and derived entities that must be considered in its use."*

The extent and breadth of data to be addressed in the FMS is enormous and will require several years to complete. For this purpose, the FMS Task Group developed the following strategic plan for The CADD/GIS Technology Center's FMS development efforts:

1. Asset Management (Priority #1):

a. Utilities, including water treatment, sewage treatment, electrical power generation, utility lines, and fuel storage and distribution systems.

b. Real Property, including real property planning, space management, public works management, facility plans and engineering, range management, forestry management and lease management.

c. Real Property Maintenance, including facility repair and maintenance, road maintenance, equipment maintenance, landfill and waste management, grounds maintenance.

d. Training Areas.

2. Operations Area Support (Priority #2):

a. Inventory information related to Air Facility Operations, including fuel support, T-line/airfield facilities, ground electronics, crash and rescue, weapons housing, cargo handling, passenger terminal operations, airfield logistics, auxiliary airfield support, radar, communication, ground-based navigational aids, automation, and radios used to facilitate communication between air traffic controllers and pilots.

b. Port Facilities, including berthing and hotel services, port logistics, tugs and crafts, degaussing, sea air rescue, spill response, and weapons support.

c. Industrial Engineering Support, including equipment and repair, maintenance, utilities.

3. Land Management and Conservation Services (Priority #3):

a. Land, including integrated training area management, natural resource management, historical and archaeological management, and recreational area management.

b. Agricultural and Conservation, including soil conservation, farmland rehabilitation, crop management, watershed and flood prevention operations, water quality management, water conservation, fish and wildlife management and other conservation oriented programs.

c. Environmental Compliance, including pollution prevention, compliance assessment and monitoring, HAZMAT control and other compliance related activities.

4. Civil Works Programs (Priority #4):

a. Waterway (Harbor and River) Programs, including locks, dams revetments, harbor and river dredging, and recreational facilities.

c. Flood Control Programs, including levees, floodwalls and reservoir construction.

d. Land Reclamation and Irrigation Programs.

5. Public Safety (Priority #5):

a. Public Safety, including HAZMAT, crash and rescue, weather, emergency response routes, disaster preparedness, fire protection.

6. Information and Communications Support (Priority #6):

- a. Communications, including communications infrastructure, cable management, telephone and radio.

